



## **Pension Plan**

Employees' Retirement System  
of Milwaukee County  
Monthly Update  
**October 31, 2013**



## Total Fund Composite

## Manager Status

Market Value: \$1,830.0 Million and 100.0% of Fund

| Investment Manager           | Asset Class              | Status        | Reason      |
|------------------------------|--------------------------|---------------|-------------|
| J.P. Morgan                  | Core Fixed Income        | In Compliance | ---         |
| Mellon Capital               | Core Fixed Income        | In Compliance | ---         |
| Boston Partners              | Large-Cap Value          | In Compliance | ---         |
| Mellon Capital               | Large-Cap Core           | In Compliance | ---         |
| Artisan Partners             | Mid-Cap Growth           | In Compliance | ---         |
| Geneva Capital               | Mid-Cap Growth           | In Compliance | ---         |
| Silvercrest Asset Management | Small-Cap Value          | In Compliance | ---         |
| Fiduciary Management         | Small-Cap Value          | In Compliance | ---         |
| NTGI ACWI Ex-US              | Non-U.S. All-Cap Core    | In Compliance | ---         |
| Vontobel Asset Management    | Non-U.S. Large-Cap Core  | In Compliance | ---         |
| GMO Small-Cap                | Non-U.S. Small-Cap Value | In Compliance | ---         |
| Barings EM                   | Emerging Markets         | Termination   | Performance |
| ABS                          | Hedged Equity Hedge FoF  | In Compliance | ---         |
| K2                           | Hedged Equity Hedge FoF  | In Compliance | ---         |
| American Realty Advisors     | Core Real Estate         | In Compliance | ---         |
| Morgan Stanley               | Core Real Estate         | In Compliance | ---         |
| UBS                          | Core Real Estate         | In Compliance | ---         |
| IFM                          | Core Infrastructure      | In Compliance | ---         |
| J.P. Morgan                  | Core Infrastructure      | In Compliance | ---         |
| Adams Street                 | Private Equity           | In Compliance | ---         |
| Siguler Guff                 | U.S. Private Equity FoF  | In Compliance | ---         |

## Investment Manager Evaluation Terminology

The following terminology has been developed by Marquette Associates to facilitate efficient communication among the Investment Manager, Investment Consultant, and the Plan Sponsor. Each term signifies a particular status with the Fund and any conditions that may require improvement. In each case, communication is made only after consultation with the Trustees and/or the Investment Committee of the Plan.

**In Compliance** – The investment manager states it is acting in accordance with the Investment Policy Guidelines.

**Alert** – The investment manager is notified of a problem in performance (usually related to a benchmark or volatility measure), a change in investment characteristics, an alteration in management style or key investment professionals, and/or any other irregularities.

**On Notice** – The investment manager is notified of continued concern with one or more Alert issues. Failure to improve upon stated issues within a specific time frame justifies termination.

**Termination** – The Trustees have decided to terminate the investment manager. The investment manager is notified and transition plans are in place.

## Total Fund Composite

Market Value: \$1,830.0 Million and 100.0% of Fund

Ending October 31, 2013

|                                       | Asset Class              | Market Value<br>(\$) | 3 Mo Net<br>Cash Flows (\$) | % of<br>Portfolio | Policy %     | Policy Difference<br>(\$) |
|---------------------------------------|--------------------------|----------------------|-----------------------------|-------------------|--------------|---------------------------|
| <b>Total Fund Composite</b>           |                          | <b>1,829,999,297</b> | <b>-37,913,349</b>          | <b>100.0</b>      | <b>100.0</b> | <b>0</b>                  |
| <b>Fixed Income Composite</b>         |                          | <b>367,756,879</b>   | <b>-16,133,052</b>          | <b>20.1</b>       | <b>22.0</b>  | <b>-34,842,966</b>        |
| J.P. Morgan                           | Core Fixed Income        | 309,037,557          | -126,175                    | 16.9              |              |                           |
| Mellon Capital                        | Core Fixed Income        | 58,719,322           | -16,006,877                 | 3.2               |              |                           |
| <b>U.S. Equity Composite</b>          |                          | <b>499,958,580</b>   | <b>-489,685</b>             | <b>27.3</b>       | <b>25.0</b>  | <b>42,458,756</b>         |
| Boston Partners                       | Large-Cap Value          | 150,235,108          | -36,173                     | 8.2               | 8.0          | 3,835,164                 |
| Mellon Capital                        | Large-Cap Core           | 139,441,201          | 12,487,387                  | 7.6               | 6.0          | 29,641,243                |
| Artisan Partners                      | Mid-Cap Growth           | 49,273,834           | -12,608,276                 | 2.7               | 2.5          | 3,523,851                 |
| Geneva Capital                        | Mid-Cap Growth           | 50,592,216           | -67,136                     | 2.8               | 2.5          | 4,842,233                 |
| Fiduciary Management                  | Small-Cap Value          | 55,832,649           | -88,077                     | 3.1               | 3.0          | 932,670                   |
| Silvercrest Asset Management          | Small-Cap Value          | 54,583,573           | 52,719,117                  | 3.0               | 3.0          | -316,406                  |
| <b>International Equity Composite</b> |                          | <b>381,048,657</b>   | <b>-2,508,556</b>           | <b>20.8</b>       | <b>20.0</b>  | <b>15,048,797</b>         |
| NTGI ACWI Ex-US                       | Non-U.S. All-Cap Core    | 107,398,748          | 0                           | 5.9               | 6.5          | -11,551,206               |
| Vontobel Asset Management             | Non-U.S. Large-Cap Core  | 120,000,000          | 120,000,000                 | 6.6               | 6.5          | 1,050,046                 |
| GMO Small-Cap                         | Non-U.S. Small-Cap Value | 95,010,116           | 0                           | 5.2               | 4.0          | 21,810,145                |
| Barings EM                            | Emerging Markets         | 58,639,792           | 0                           | 3.2               | 3.0          | 3,739,813                 |
| <b>Hedged Equity Composite</b>        |                          | <b>201,433,870</b>   | <b>0</b>                    | <b>11.0</b>       | <b>10.0</b>  | <b>18,433,940</b>         |
| ABS                                   | Hedged Equity Hedge FoF  | 101,950,148          | 0                           | 5.6               | 5.0          | 10,450,183                |
| K2                                    | Hedged Equity Hedge FoF  | 99,483,722           | 0                           | 5.4               | 5.0          | 7,983,757                 |
| <b>Real Estate Composite</b>          |                          | <b>162,610,945</b>   | <b>-2,099,286</b>           | <b>8.9</b>        | <b>8.5</b>   | <b>7,061,005</b>          |
| American Realty Advisors              | Core Real Estate         | 34,532,163           | -508,336                    | 1.9               |              |                           |
| Morgan Stanley                        | Core Real Estate         | 111,443,337          | -1,426,985                  | 6.1               |              |                           |
| UBS                                   | Core Real Estate         | 16,635,014           | -163,965                    | 0.9               |              |                           |
| <b>Infrastructure Composite</b>       |                          | <b>131,902,340</b>   | <b>-397,592</b>             | <b>7.2</b>        | <b>8.5</b>   | <b>-23,647,600</b>        |
| IFM                                   | Core Infrastructure      | 71,732,310           | 0                           | 3.9               |              |                           |
| J.P. Morgan                           | Core Infrastructure      | 60,170,030           | -397,592                    | 3.3               |              |                           |

## Total Fund Composite

Market Value: \$1,830.0 Million and 100.0% of Fund

**Ending October 31, 2013**

|                                 | Asset Class                          | Market Value<br>(\$) | 3 Mo Net<br>Cash Flows (\$) | % of<br>Portfolio | Policy %   | Policy Difference<br>(\$) |
|---------------------------------|--------------------------------------|----------------------|-----------------------------|-------------------|------------|---------------------------|
| <b>Private Equity Composite</b> |                                      | <b>41,264,102</b>    | <b>-1,728,678</b>           | <b>2.3</b>        | <b>6.0</b> | <b>-68,535,856</b>        |
| Progress                        | U.S. Private Equity FoF              | 26,162               | 0                           | 0.0               |            |                           |
| Brinson 1998                    | U.S. Private Equity FoF              | 70,827               | 0                           | 0.0               |            |                           |
| Brinson 1999                    | U.S. Private Equity FoF              | 237,930              | -111,107                    | 0.0               |            |                           |
| Brinson 2000                    | U.S. Private Equity FoF              | 897,145              | 0                           | 0.0               |            |                           |
| Brinson 2001                    | U.S. Private Equity FoF              | 1,628,383            | -196,802                    | 0.1               |            |                           |
| Brinson 2002                    | U.S. Private Equity FoF              | 1,107,339            | -107,946                    | 0.1               |            |                           |
| Brinson 2003                    | U.S. Private Equity FoF              | 1,164,129            | 0                           | 0.1               |            |                           |
| Brinson 2004                    | U.S. Private Equity FoF              | 1,541,625            | -76,727                     | 0.1               |            |                           |
| Adams Street 2005               | U.S. Private Equity FoF              | 6,996,568            | -295,425                    | 0.4               |            |                           |
| Adams Street 2009               | U.S. Private Equity FoF              | 14,186,853           | 553,151                     | 0.8               |            |                           |
| Adams Street 2012               | Global Divers. Private<br>Equity FoF | 4,487,106            | 1,000,000                   | 0.2               |            |                           |
| Siguler Guff                    | U.S. Private Equity FoF              | 8,920,035            | -2,493,822                  | 0.5               |            |                           |
| <b>Total Cash Equivalents</b>   |                                      | <b>44,023,925</b>    | <b>-14,556,499</b>          | <b>2.4</b>        | <b>0.0</b> | <b>44,023,925</b>         |

## Total Fund Composite

## Annualized Performance (Net of Fees)

Market Value: \$1,830.0 Million and 100.0% of Fund

Ending October 31, 2013

|  | 1 Mo         | 3 Mo         | YTD          | 1 Yr         | 2 Yrs        | 3 Yrs        | 4 Yrs        | 5 Yrs        | 7 Yrs       | 10 Yrs       |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|
| <b>Total Fund Composite</b>              | <b>2.1%</b>  | <b>4.3%</b>  | <b>12.2%</b> | <b>14.8%</b> | <b>11.2%</b> | <b>8.8%</b>  | <b>9.9%</b>  | <b>10.9%</b> | <b>5.0%</b> | <b>7.3%</b>  |
| <i>Total Fund Benchmark</i>              | 2.1%         | 3.8%         | 11.5%        | 13.7%        | 10.8%        | 8.7%         | 9.8%         | 11.0%        | 4.9%        | 6.8%         |
| <b>Fixed Income Composite</b>            | <b>0.7%</b>  | <b>1.1%</b>  | <b>-0.7%</b> | <b>-0.5%</b> | <b>2.4%</b>  | <b>3.2%</b>  | <b>4.7%</b>  | <b>7.8%</b>  | <b>5.5%</b> | <b>5.6%</b>  |
| <i>Barclays Aggregate</i>                | 0.8%         | 1.2%         | -1.1%        | -1.1%        | 2.0%         | 3.0%         | 4.2%         | 6.1%         | 5.1%        | 4.8%         |
| <b>U.S. Equity Composite</b>             | <b>3.3%</b>  | <b>4.7%</b>  | <b>27.2%</b> | <b>30.5%</b> | <b>21.4%</b> | <b>16.4%</b> | <b>17.3%</b> | <b>16.6%</b> | <b>6.8%</b> | <b>8.6%</b>  |
| <i>Dow Jones U.S. Total Stock Market</i> | 4.2%         | 5.0%         | 26.4%        | 28.9%        | 21.6%        | 16.9%        | 17.4%        | 16.0%        | 6.4%        | 8.1%         |
| <b>International Equity Composite</b>    | <b>3.7%</b>  | <b>9.4%</b>  | <b>14.8%</b> | <b>20.5%</b> | <b>12.1%</b> | <b>6.4%</b>  | <b>8.1%</b>  | <b>11.4%</b> | <b>0.5%</b> | <b>4.2%</b>  |
| <i>MSCI ACWI ex USA Gross</i>            | 3.7%         | 9.4%         | 14.5%        | 20.8%        | 12.3%        | 6.5%         | 8.1%         | 13.0%        | 3.4%        | 9.0%         |
| <b>Hedged Equity Composite</b>           | <b>2.1%</b>  | <b>4.4%</b>  | <b>14.0%</b> | <b>16.5%</b> | <b>9.9%</b>  | <b>6.2%</b>  | --           | --           | --          | --           |
| <i>HFRX Equity Hedge Index</i>           | 1.9%         | 1.3%         | 8.7%         | 9.7%         | 5.6%         | -1.0%        | 0.8%         | 1.7%         | -1.4%       | 0.3%         |
| <i>Russell 3000</i>                      | 4.2%         | 5.1%         | 26.4%        | 29.0%        | 21.7%        | 16.9%        | 17.3%        | 15.9%        | 6.2%        | 7.9%         |
| <i>MSCI ACWI</i>                         | 4.0%         | 7.1%         | 19.0%        | 23.3%        | 15.7%        | 10.4%        | 11.3%        | 13.5%        | 4.0%        | 7.7%         |
| <b>Real Estate Composite</b>             | <b>0.0%</b>  | <b>3.6%</b>  | <b>10.8%</b> | <b>13.6%</b> | <b>11.9%</b> | <b>13.3%</b> | <b>14.0%</b> | <b>14.8%</b> | <b>1.9%</b> | <b>9.4%</b>  |
| <i>Custom Real Estate Benchmark</i>      | 0.0%         | 2.2%         | 9.7%         | 11.2%        | 10.7%        | 12.6%        | 14.6%        | 14.5%        | 1.5%        | 8.8%         |
| <i>NFI</i>                               | 0.0%         | 2.2%         | 9.7%         | 11.2%        | 10.7%        | 12.6%        | 11.7%        | 0.5%         | 2.2%        | 6.0%         |
| <b>Infrastructure Composite</b>          | <b>-0.1%</b> | <b>1.3%</b>  | <b>3.1%</b>  | <b>5.9%</b>  | <b>7.1%</b>  | <b>7.6%</b>  | --           | --           | --          | --           |
| <i>CPI +4%</i>                           | 0.3%         | 1.2%         | 5.4%         | 5.3%         | 5.5%         | 6.2%         | 6.0%         | 5.5%         | 6.2%        | 6.4%         |
| <b>Private Equity Composite</b>          | <b>0.0%</b>  | <b>-1.7%</b> | <b>-1.7%</b> | <b>0.4%</b>  | <b>6.5%</b>  | <b>8.6%</b>  | <b>10.1%</b> | <b>6.2%</b>  | <b>7.4%</b> | <b>12.1%</b> |
| <i>Venture Economics All PE</i>          | 0.0%         | 0.0%         | 0.0%         | 2.5%         | 8.1%         | 9.2%         | 11.0%        | 8.7%         | 7.3%        | 11.4%        |

# Investment Manager

# Annualized Performance (Net of Fees)

Market Value: \$1,830.0 Million and 100.0% of Fund

Ending October 31, 2013

|  | 1 Mo        | 3 Mo        | YTD          | 1 Yr         | 2 Yrs        | 3 Yrs        | 4 Yrs        | 5 Yrs        | 7 Yrs       | 10 Yrs      |
|--|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|
| <b>Total Fund Composite</b>              | <b>2.1%</b> | <b>4.3%</b> | <b>12.2%</b> | <b>14.8%</b> | <b>11.2%</b> | <b>8.8%</b>  | <b>9.9%</b>  | <b>10.9%</b> | <b>5.0%</b> | <b>7.3%</b> |
| <i>Total Fund Benchmark</i>              | 2.1%        | 3.8%        | 11.5%        | 13.7%        | 10.8%        | 8.7%         | 9.8%         | 11.0%        | 4.9%        | 6.8%        |
| <b>Fixed Income Composite</b>            | <b>0.7%</b> | <b>1.1%</b> | <b>-0.7%</b> | <b>-0.5%</b> | <b>2.4%</b>  | <b>3.2%</b>  | <b>4.7%</b>  | <b>7.8%</b>  | <b>5.5%</b> | <b>5.6%</b> |
| <i>Barclays Aggregate</i>                | 0.8%        | 1.2%        | -1.1%        | -1.1%        | 2.0%         | 3.0%         | 4.2%         | 6.1%         | 5.1%        | 4.8%        |
| J.P. Morgan                              | 0.7%        | 1.0%        | -0.5%        | -0.3%        | 2.6%         | 3.2%         | 4.4%         | 6.6%         | 5.3%        | --          |
| <i>Barclays Aggregate</i>                | 0.8%        | 1.2%        | -1.1%        | -1.1%        | 2.0%         | 3.0%         | 4.2%         | 6.1%         | 5.1%        | 4.8%        |
| Mellon Capital                           | 0.8%        | 1.2%        | -1.3%        | -1.2%        | 2.0%         | 2.9%         | 4.1%         | 6.0%         | 5.1%        | 4.7%        |
| <i>Barclays Aggregate</i>                | 0.8%        | 1.2%        | -1.1%        | -1.1%        | 2.0%         | 3.0%         | 4.2%         | 6.1%         | 5.1%        | 4.8%        |
| <b>U.S. Equity Composite</b>             | <b>3.3%</b> | <b>4.7%</b> | <b>27.2%</b> | <b>30.5%</b> | <b>21.4%</b> | <b>16.4%</b> | <b>17.3%</b> | <b>16.6%</b> | <b>6.8%</b> | <b>8.6%</b> |
| <i>Dow Jones U.S. Total Stock Market</i> | 4.2%        | 5.0%        | 26.4%        | 28.9%        | 21.6%        | 16.9%        | 17.4%        | 16.0%        | 6.4%        | 8.1%        |
| Boston Partners                          | 3.3%        | 2.5%        | 27.6%        | 30.6%        | 24.9%        | 18.4%        | 17.3%        | 15.9%        | 7.5%        | 10.3%       |
| <i>Russell 1000 Value</i>                | 4.4%        | 2.9%        | 25.7%        | 28.3%        | 22.5%        | 16.8%        | 16.5%        | 14.1%        | 4.4%        | 7.8%        |
| Mellon Capital                           | 4.6%        | 4.8%        | 25.3%        | 27.2%        | 21.0%        | 16.5%        | 16.5%        | 15.1%        | 5.8%        | 7.5%        |
| <i>S&amp;P 500</i>                       | 4.6%        | 4.8%        | 25.3%        | 27.2%        | 21.0%        | 16.6%        | 16.5%        | 15.2%        | 5.8%        | 7.5%        |
| Artisan Partners                         | 1.1%        | 8.1%        | 31.9%        | 39.9%        | 22.8%        | 19.7%        | 22.9%        | 23.6%        | 12.0%       | 11.8%       |
| <i>Russell MidCap Growth</i>             | 2.6%        | 5.6%        | 28.7%        | 33.9%        | 20.9%        | 17.2%        | 19.8%        | 20.3%        | 8.2%        | 9.6%        |
| Geneva Capital                           | 2.5%        | 6.5%        | 26.0%        | 28.3%        | --           | --           | --           | --           | --          | --          |
| <i>Russell MidCap Growth</i>             | 2.6%        | 5.6%        | 28.7%        | 33.9%        | 20.9%        | 17.2%        | 19.8%        | 20.3%        | 8.2%        | 9.6%        |
| Fiduciary Management                     | 3.2%        | 6.0%        | 29.5%        | 32.2%        | 20.7%        | 15.4%        | 17.5%        | --           | --          | --          |
| <i>Russell 2000 Value</i>                | 3.2%        | 4.4%        | 27.1%        | 32.8%        | 23.3%        | 16.3%        | 18.3%        | 14.8%        | 5.1%        | 8.8%        |
| Silvercrest Asset Management             | 3.5%        | --          | --           | --           | --           | --           | --           | --           | --          | --          |
| <i>Russell 2000 Value</i>                | 3.2%        | 4.4%        | 27.1%        | 32.8%        | 23.3%        | 16.3%        | 18.3%        | 14.8%        | 5.1%        | 8.8%        |
| <b>International Equity Composite</b>    | <b>3.7%</b> | <b>9.4%</b> | <b>14.8%</b> | <b>20.5%</b> | <b>12.1%</b> | <b>6.4%</b>  | <b>8.1%</b>  | <b>11.4%</b> | <b>0.5%</b> | <b>4.2%</b> |
| <i>MSCI ACWI ex USA Gross</i>            | 3.7%        | 9.4%        | 14.5%        | 20.8%        | 12.3%        | 6.5%         | 8.1%         | 13.0%        | 3.4%        | 9.0%        |
| NTGI ACWI Ex-US                          | 3.6%        | 9.5%        | 14.8%        | 21.0%        | --           | --           | --           | --           | --          | --          |
| <i>MSCI ACWI ex USA IMI Gross</i>        | 3.6%        | 9.5%        | 15.0%        | 21.2%        | 12.6%        | 6.6%         | 8.4%         | 13.7%        | 3.7%        | 9.2%        |
| Vontobel Asset Management                | --          | --          | --           | --           | --           | --           | --           | --           | --          | --          |
| <i>MSCI ACWI ex USA Gross</i>            | 3.7%        | 9.4%        | 14.5%        | 20.8%        | 12.3%        | 6.5%         | 8.1%         | 13.0%        | 3.4%        | 9.0%        |
| GMO Small-Cap                            | 3.2%        | 11.4%       | 27.4%        | 37.5%        | 21.7%        | 13.6%        | 13.4%        | --           | --          | --          |
| <i>MSCI EAFE Small Cap Gross</i>         | 3.0%        | 12.3%       | 26.1%        | 32.6%        | 18.7%        | 11.3%        | 12.1%        | 18.7%        | 4.4%        | 10.2%       |
| Barings EM                               | 4.5%        | 9.7%        | -3.0%        | 3.2%         | 1.9%         | -3.1%        | 3.2%         | --           | --          | --          |
| <i>MSCI Emerging Markets</i>             | 4.9%        | 9.8%        | 0.3%         | 6.5%         | 4.6%         | 0.3%         | 5.7%         | 15.4%        | 6.0%        | 12.4%       |

# Investment Manager

# Annualized Performance (Net of Fees)

Market Value: \$1,830.0 Million and 100.0% of Fund

Ending October 31, 2013

|                                 | 1 Mo         | 3 Mo        | YTD          | 1 Yr         | 2 Yrs        | 3 Yrs        | 4 Yrs        | 5 Yrs        | 7 Yrs       | 10 Yrs      |
|---------------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|
| <b>Hedged Equity Composite</b>  | <b>2.1%</b>  | <b>4.4%</b> | <b>14.0%</b> | <b>16.5%</b> | <b>9.9%</b>  | <b>6.2%</b>  | --           | --           | --          | --          |
| HFRX Equity Hedge Index         | 1.9%         | 1.3%        | 8.7%         | 9.7%         | 5.6%         | -1.0%        | 0.8%         | 1.7%         | -1.4%       | 0.3%        |
| Russell 3000                    | 4.2%         | 5.1%        | 26.4%        | 29.0%        | 21.7%        | 16.9%        | 17.3%        | 15.9%        | 6.2%        | 7.9%        |
| MSCI ACWI                       | 4.0%         | 7.1%        | 19.0%        | 23.3%        | 15.7%        | 10.4%        | 11.3%        | 13.5%        | 4.0%        | 7.7%        |
| <b>ABS</b>                      | <b>2.1%</b>  | <b>4.6%</b> | <b>14.9%</b> | <b>17.2%</b> | <b>9.3%</b>  | <b>6.3%</b>  | --           | --           | --          | --          |
| HFRX Equity Hedge Index         | 1.9%         | 1.3%        | 8.7%         | 9.7%         | 5.6%         | -1.0%        | 0.8%         | 1.7%         | -1.4%       | 0.3%        |
| Russell 3000                    | 4.2%         | 5.1%        | 26.4%        | 29.0%        | 21.7%        | 16.9%        | 17.3%        | 15.9%        | 6.2%        | 7.9%        |
| MSCI ACWI                       | 4.0%         | 7.1%        | 19.0%        | 23.3%        | 15.7%        | 10.4%        | 11.3%        | 13.5%        | 4.0%        | 7.7%        |
| <b>K2</b>                       | <b>2.0%</b>  | <b>4.2%</b> | <b>13.2%</b> | <b>15.8%</b> | <b>10.5%</b> | <b>6.1%</b>  | --           | --           | --          | --          |
| HFRX Equity Hedge Index         | 1.9%         | 1.3%        | 8.7%         | 9.7%         | 5.6%         | -1.0%        | 0.8%         | 1.7%         | -1.4%       | 0.3%        |
| Russell 3000                    | 4.2%         | 5.1%        | 26.4%        | 29.0%        | 21.7%        | 16.9%        | 17.3%        | 15.9%        | 6.2%        | 7.9%        |
| MSCI ACWI                       | 4.0%         | 7.1%        | 19.0%        | 23.3%        | 15.7%        | 10.4%        | 11.3%        | 13.5%        | 4.0%        | 7.7%        |
| <b>Real Estate Composite</b>    | <b>0.0%</b>  | <b>3.6%</b> | <b>10.8%</b> | <b>13.6%</b> | <b>11.9%</b> | <b>13.3%</b> | <b>14.0%</b> | <b>14.8%</b> | <b>1.9%</b> | <b>9.4%</b> |
| Custom Real Estate Benchmark    | 0.0%         | 2.2%        | 9.7%         | 11.2%        | 10.7%        | 12.6%        | 14.6%        | 14.5%        | 1.5%        | 8.8%        |
| NFI                             | 0.0%         | 2.2%        | 9.7%         | 11.2%        | 10.7%        | 12.6%        | 11.7%        | 0.5%         | 2.2%        | 6.0%        |
| American Realty Advisors        | 0.0%         | 3.2%        | 8.8%         | 11.2%        | 10.9%        | --           | --           | --           | --          | --          |
| NFI                             | 0.0%         | 2.2%        | 9.7%         | 11.2%        | 10.7%        | 12.6%        | 11.7%        | 0.5%         | 2.2%        | 6.0%        |
| Morgan Stanley                  | 0.0%         | 3.9%        | 12.4%        | 15.4%        | 13.7%        | 15.4%        | --           | --           | --          | --          |
| NFI                             | 0.0%         | 2.2%        | 9.7%         | 11.2%        | 10.7%        | 12.6%        | 11.7%        | 0.5%         | 2.2%        | 6.0%        |
| UBS                             | -0.3%        | 2.5%        | 6.7%         | 8.8%         | --           | --           | --           | --           | --          | --          |
| NFI                             | 0.0%         | 2.2%        | 9.7%         | 11.2%        | 10.7%        | 12.6%        | 11.7%        | 0.5%         | 2.2%        | 6.0%        |
| <b>Infrastructure Composite</b> | <b>-0.1%</b> | <b>1.3%</b> | <b>3.1%</b>  | <b>5.9%</b>  | <b>7.1%</b>  | <b>7.6%</b>  | --           | --           | --          | --          |
| CPI +4%                         | 0.3%         | 1.2%        | 5.4%         | 5.3%         | 5.5%         | 6.2%         | 6.0%         | 5.5%         | 6.2%        | 6.4%        |
| IFM                             | -0.3%        | 2.5%        | 7.4%         | 9.3%         | 8.7%         | 9.3%         | --           | --           | --          | --          |
| CPI +4%                         | 0.3%         | 1.2%        | 5.4%         | 5.3%         | 5.5%         | 6.2%         | 6.0%         | 5.5%         | 6.2%        | 6.4%        |
| J.P. Morgan                     | 0.0%         | 0.0%        | -1.5%        | 2.1%         | 5.3%         | 5.0%         | --           | --           | --          | --          |
| CPI +4%                         | 0.3%         | 1.2%        | 5.4%         | 5.3%         | 5.5%         | 6.2%         | 6.0%         | 5.5%         | 6.2%        | 6.4%        |



## Total Fund Composite

## Fee Schedule

Market Value: \$1,830.0 Million and 100.0% of Fund

| Asset Class              | Investment Manager           | Fee Schedule  | Expense Ratio & Estimated Annual Fee <sup>1</sup> | Industry Average <sup>2</sup> |
|--------------------------|------------------------------|---|---|-------------------------------|
| Core Fixed Income        | J.P. Morgan                  | 0.20% on the first \$100 million<br>0.15% on the Balance  | 0.17%<br>\$513,556                                | 0.24%                         |
| Core Fixed Income        | Mellon Capital               | 0.04% on the first \$200 million<br>0.02% on the Balance  | 0.04%<br>\$23,488                                 | 0.08%                         |
| Large-Cap Value          | Boston Partners              | 0.40% on the first \$15 million<br>0.30% on the next \$25 million<br>0.20% on the next \$25 million<br>0.15% on the next \$35 million<br>0.10% on the Balance | 0.19%<br>\$287,735                                | 0.46%                         |
| Large-Cap Core           | Mellon Capital               | 0.04% on the first \$200 million<br>0.02% on the Balance  | 0.04%<br>\$55,776                                 | 0.09%                         |
| Mid-Cap Growth           | Artisan Partners             | 0.80% on the first \$50 million<br>0.60% on the next \$50 million<br>0.50% on the Balance   | 0.80%<br>\$394,191                                | 0.78%                         |
| Mid-Cap Growth           | Geneva Capital               | 0.55% on the Balance  | 0.55%<br>\$278,257                                | 0.68%                         |
| Small-Cap Value          | Silvercrest Asset Management | 0.65% on the first \$50 million<br>0.55% on the Balance   | 0.64%<br>\$350,210                                | 0.83%                         |
| Small-Cap Value          | Fiduciary Management         | 0.70% on the first \$10 million<br>0.65% on the next \$40 million<br>0.60% on the next \$25 million<br>0.50% on the Balance                                   | 0.65%<br>\$364,996                                | 0.83%                         |
| Non-U.S. All-Cap Core    | NTGI ACWI Ex-US              | 0.08% on the Balance  | 0.08%<br>\$85,919                                 | 0.75%                         |
| Non-U.S. Large-Cap Core  | Vontobel Asset Management    | 0.85% on the first \$50 million<br>0.75% on the next \$50 million<br>0.65% on the next \$400 million<br>0.60% on the Balance                                  | 0.78%<br>\$930,000                                | 0.68%                         |
| Non-U.S. Small-Cap Value | GMO Small-Cap                | 0.75% on the Balance  | 0.75%<br>\$712,576                                | 1.16%                         |
| Emerging Markets         | Barings EM                   | 0.75% on the Balance  | 0.75%<br>\$439,798                                | 0.92%                         |
| Hedged Equity Hedge FoF  | ABS                          | 0.85% on the Balance<br><b>*redemptions quarterly with 45 days notice</b>   | 0.85%<br>\$866,576                                | 1.37%                         |
| Hedged Equity Hedge FoF  | K2                           | 0.90% on the Balance<br><b>*redemptions quarterly with 91 days notice</b>   | 0.90%<br>\$895,353                                | 1.37%                         |

## Total Fund Composite

## Fee Schedule

Market Value: \$1,830.0 Million and 100.0% of Fund

| Asset Class                             | Investment Manager       | Fee Schedule  | Expense Ratio & Estimated Annual Fee <sup>1</sup> | Industry Average <sup>2</sup> |
|---|--------------------------|---|---|-------------------------------|
| Core Real Estate                        | American Realty Advisors | 0.95% on the Balance  | 0.95%<br>\$328,056                                | 1.03%                         |
| Core Real Estate                        | Morgan Stanley           | 0.90% on the Balance  | 0.90%<br>\$1,002,990                              | 1.03%                         |
| Core Real Estate                        | UBS                      | 0.955% on the first \$10 million<br>0.825% on the next \$15 million<br>0.805% on the next \$25 million<br>0.79% on the next \$50 million<br>0.67% on the next \$150 million<br>0.60% on the Balance | 0.90%<br>\$150,239                                | 1.03%                         |
| Core Infrastructure                     | IFM                      | 1.25% on the Balance<br><b>Performance Fee:</b><br><b>20% of return above 8% on a rolling three year basis</b>  | 1.25%<br>\$896,654                                | 1.80%                         |
| Core Infrastructure                     | J.P. Morgan              | 1.50% on the first \$50 million<br>1.55% on the Balance<br><b>Performance Fee: 15% with 7% Hurdle</b><br><b>(six year soft lock, effective lock 4.5 years)</b>                                      | 1.51%<br>\$907,635                                | 1.80%                         |
| Private Equity                          | Adams Street             | 0.67% on the first \$50 million<br>0.60% on the Balance<br><b>10% carry on secondaries and co-invest</b><br><b>(Effective Rate Over 15 Yr Term)</b>   | 0.67%<br>\$215,909                                | 1.11%                         |
| U.S. Private Equity FoF                 | Siguler Guff             | 0.69% on commitment   | 3.09%<br>\$276,000                                | 4.98%                         |
| Cash Overlay                            | BNY Beta Management      | 0.025% on the Balance   | 0.03%<br>\$11,006                                 | 0.20%                         |
| <b>Total Investment Management Fees</b> |                          |   | <b>0.55%</b><br><b>\$9,986,921</b>                | <b>0.77%</b>                  |
| Custodian                               | BNY Mellon               | \$50,000 Flat Annual Fee  | \$50,000  | N/A                           |
| <b>Total Fund</b>                       |                          |   | <b>0.55%</b><br><b>\$10,036,921</b>               |                               |

<sup>1</sup> Expense Ratio & Estimated Annual Fee are Based on Market Value at Month End.

<sup>2</sup> Source: 2010 Marquette Associates Investment Management Fee Study.